

ABSTRACT OF THE DISCLOSURE

A system LSI includes a plurality of circuit blocks; a first power supply terminal, which is connected to a first circuit block; and a second power supply terminal, which is connected to a second circuit block. A first level of test voltage is applied from the first power supply terminal to the first circuit block for a predetermined period of time whereby the first circuit block is tested in operation. A second level of test voltage is applied from the second power supply terminal to the second circuit block for a predetermined period of time whereby the second circuit block is tested in operation independently from the first circuit block.